



**US Army Corps
of Engineers** [®]
New England District
696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Comment Period Begins: July 20, 2021
Comment Period Ends: August 19, 2021
File Number: NAE-2019-01078
In Reply Refer To:
Phone: (978) 318-8295
E-mail: Lindsey.E.Lefebvre@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from The City of Portsmouth at 680 Pevery Hill Road, Portsmouth, New Hampshire 03801. This work is proposed in Little Bay at 180 Piscataqua Road, Durham, New Hampshire and Fox Point, Newington, New Hampshire. The site coordinates are: Latitude 43.12393°N, Longitude -70.86338°West.

The work involves both direct permanent and temporary discharges of dredged and fill material into wetlands and Waters for the United States (WoUS) along the proposed crossing of Little Bay between Durham and Newington (Fox Point) to install a drinking water transmission main. The City of Portsmouth currently owns and maintains a 6-mile cross-country drinking water transmission main which supplies over 60% of the drinking water used in the City's regional water system. The existing transmission main was built in the 1950s and consists of two, parallel cast iron water mains, approximately 3,200 ft long. Replacement of this crossing is proposed because the existing mains have experienced significant corrosion and the replacement will increase the reliability of this drinking water transmission main.

The proposed project involves installing a new 24" high density polyethylene (HDPE) water main on the ocean floor between the existing cast iron mains crossing Little Bay with connections to the existing reinforced concrete mains on either shore. The proposed installation method involves assembling the new pipeline on land and floating the pipeline into Little Bay. Since the HDPE pipe is buoyant, concrete collars are required to sink and anchor the pipeline to river bottom. At the intertidal zone and within portions of the tidal buffer zone, the proposed pipeline will be buried, via trench excavation, to protect the pipe from freezing, anchor drag, and tidal currents.

Impacts to wetlands and WoUS include approximately 0.12 acres of permanent impact to tidal waters (mudflat and subtidal area) associated with the proposed submerged pipe with anchors. Temporary impacts include 1.05 acres to tidal waters (mudflat and subtidal area) and 0.05 acres to salt marsh. Temporary impacts are associated with trench excavation and constructions access in both Durham and Newington.

The work is shown on the enclosed plans entitled "CITY OF PORTSMOUTH CONTRACT DRAWINGS FOR LITTLE BAY SUBAQUEOUS WATER MAIN REPLACEMENT," on 16 sheets, and dated "NOVEMBER 2020."

The water transmission main replacement project has been designed to avoid and minimize environmental impacts while increasing the reliability of this critical drinking water transmission main. To compensate for the project's projected impacts to waterways and wetlands, the applicant is currently proposing a contribution to the State of New Hampshire Aquatic Resource Mitigation Fund (NH In Lieu Fee Program). Additionally, all

CENAE-R
FILE NO. NAE-2019-01078

preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The USACE has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The states of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

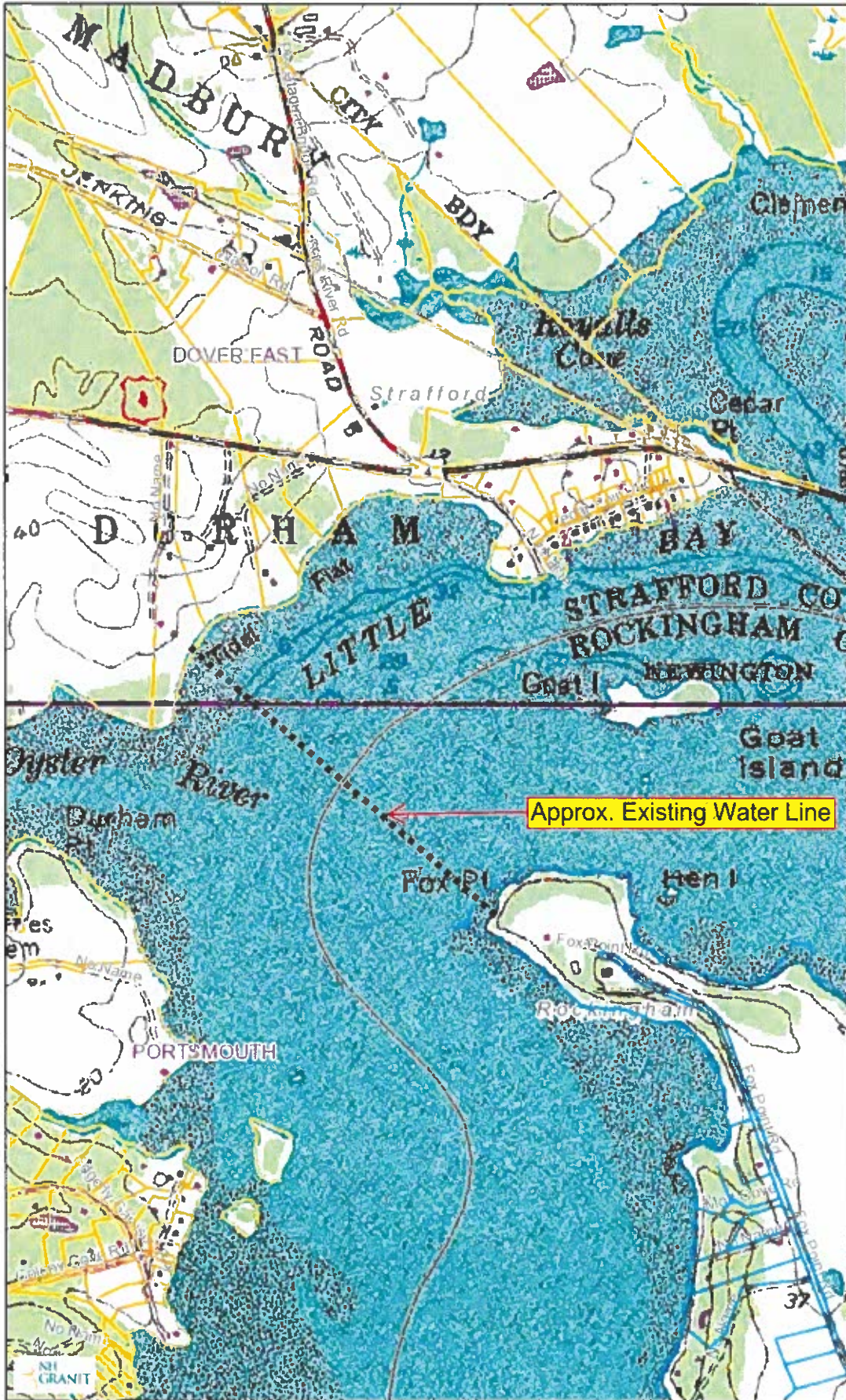
- Permit, license or assent from State.
- Permit from local wetland agency or conservation commission.
- Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Lindsey Lefebvre at (978) 318-8295, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

Subaqueous Water Main



Legend

- Polygons
- Additional lines
- 7.5-Minute
- State
- County
- City/Town

ATTACHMENT 1

Map Scale

1: 12,988

© NH GRANIT, www.granit.unh.edu

Map Generated: 7/29/2020



Notes

USGS Dover East and Portsmouth
Quadrangles

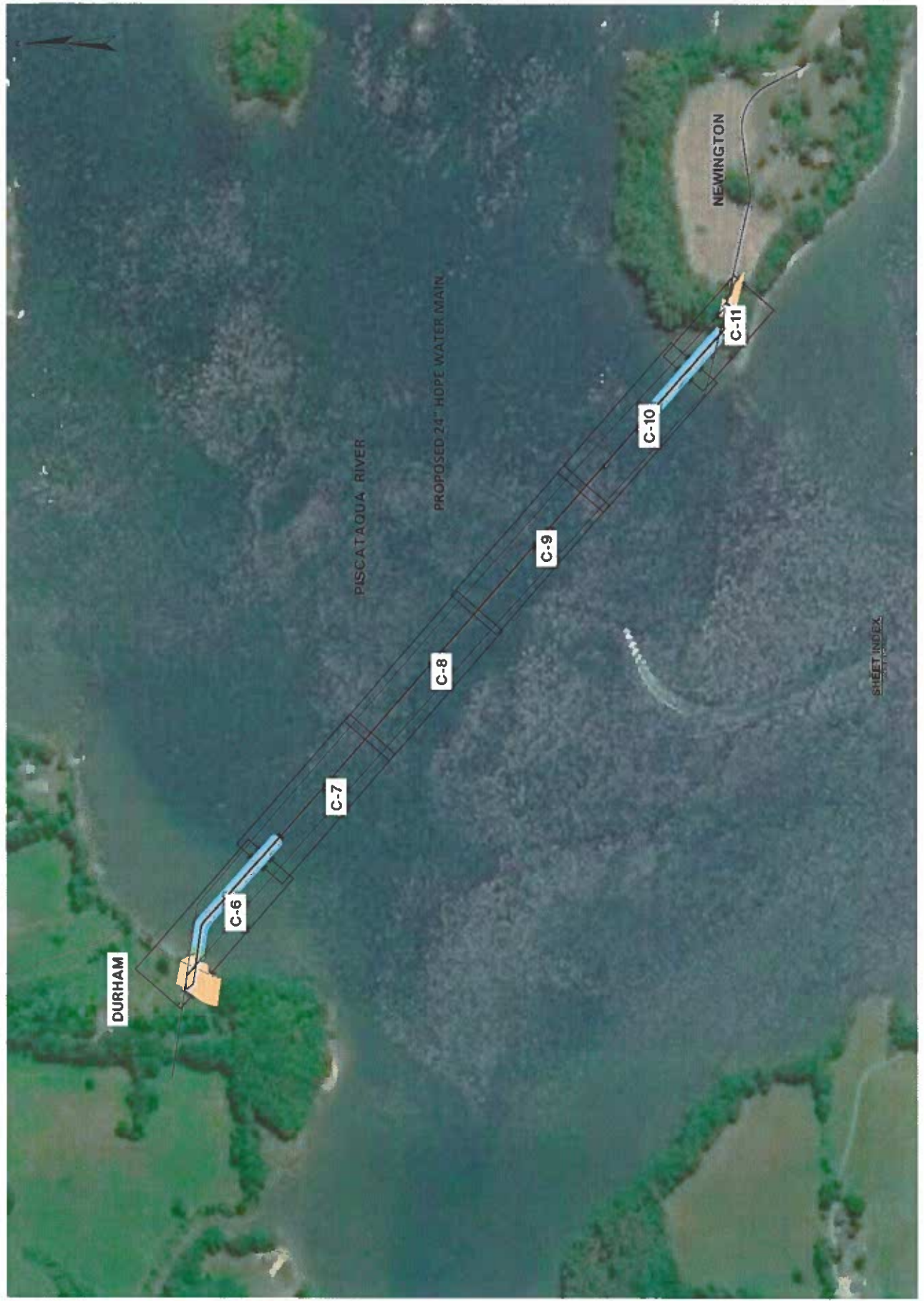


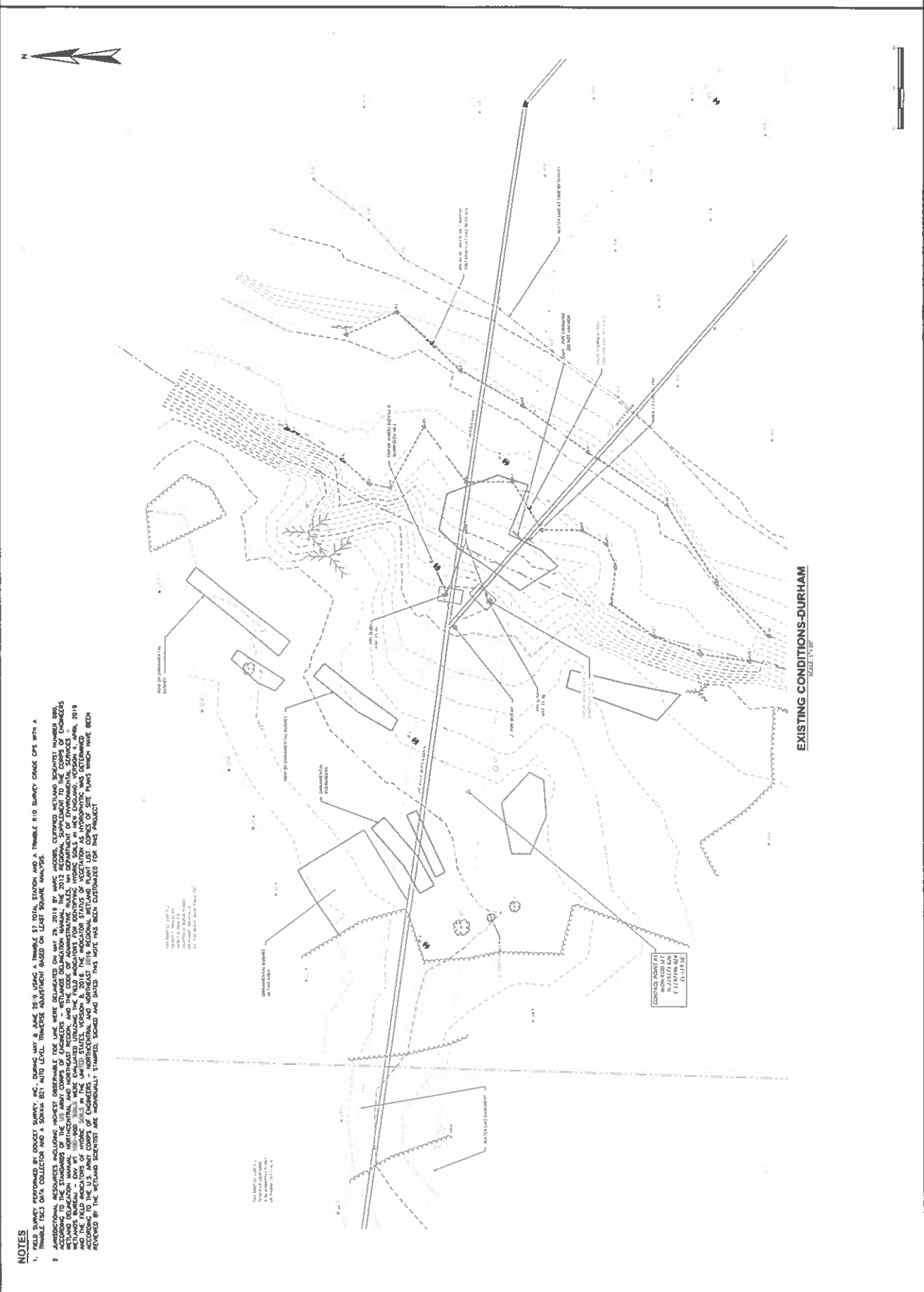
DATE	04/11/2024
BY	W. PIERCE
PROJECT NO.	14224
PROJECT NAME	HOPE WATER MAIN
CLIENT	CITY OF PORTSMOUTH
SCALE	AS SHOWN
DRAWN BY	W. PIERCE
CHECKED BY	W. PIERCE
DATE	04/11/2024

WRIGHT-PIERCE
Engineering a Better Environment
888.621.8156 | www.wright-pierce.com

CITY OF PORTSMOUTH
SUBAQUEOUS WATER TRANSMISSION MAIN
NEW HAMPSHIRE

DRAWING
C-1





NOTES

1. FIELD SURVEY INFORMATION IS CORRECT SUBJECT TO: SURVEYING AND A SMOOTH, BUT NOT EXACT, REPRODUCTION OF THE ORIGINAL DATA. THE REPRODUCTION IS BASED ON THE BEST AVAILABLE INFORMATION.
2. ADDITIONAL INFORMATION IS PROVIDED FOR THE USER'S REFERENCE. THE USER SHOULD CONSULT THE 2015 REGIONAL SUPPLEMENT TO THE CORPUS OF ENGINEERS' SURVEYING MANUAL, VOLUME 1, PART 1, CHAPTER 10, 'SURVEYING OF WETLANDS', AND THE 2015 REGIONAL SUPPLEMENT TO THE CORPUS OF ENGINEERS' SURVEYING MANUAL, VOLUME 1, PART 1, CHAPTER 10, 'SURVEYING OF WETLANDS', AND THE FIELD OPERATIONS OF WETLAND SURVEYING, VERSION 8.2018. THE REVISION STATUS OF VEGETATION AS AUTOMATICALLY DETERMINED BY THE SOFTWARE SHOULD BE VERIFIED BY THE USER. THE USER SHOULD CONSULT THE 2015 REGIONAL SUPPLEMENT TO THE CORPUS OF ENGINEERS' SURVEYING MANUAL, VOLUME 1, PART 1, CHAPTER 10, 'SURVEYING OF WETLANDS', AND THE FIELD OPERATIONS OF WETLAND SURVEYING, VERSION 8.2018. THIS NOTE HAS BEEN CUSTOMIZED FOR THIS PROJECT.

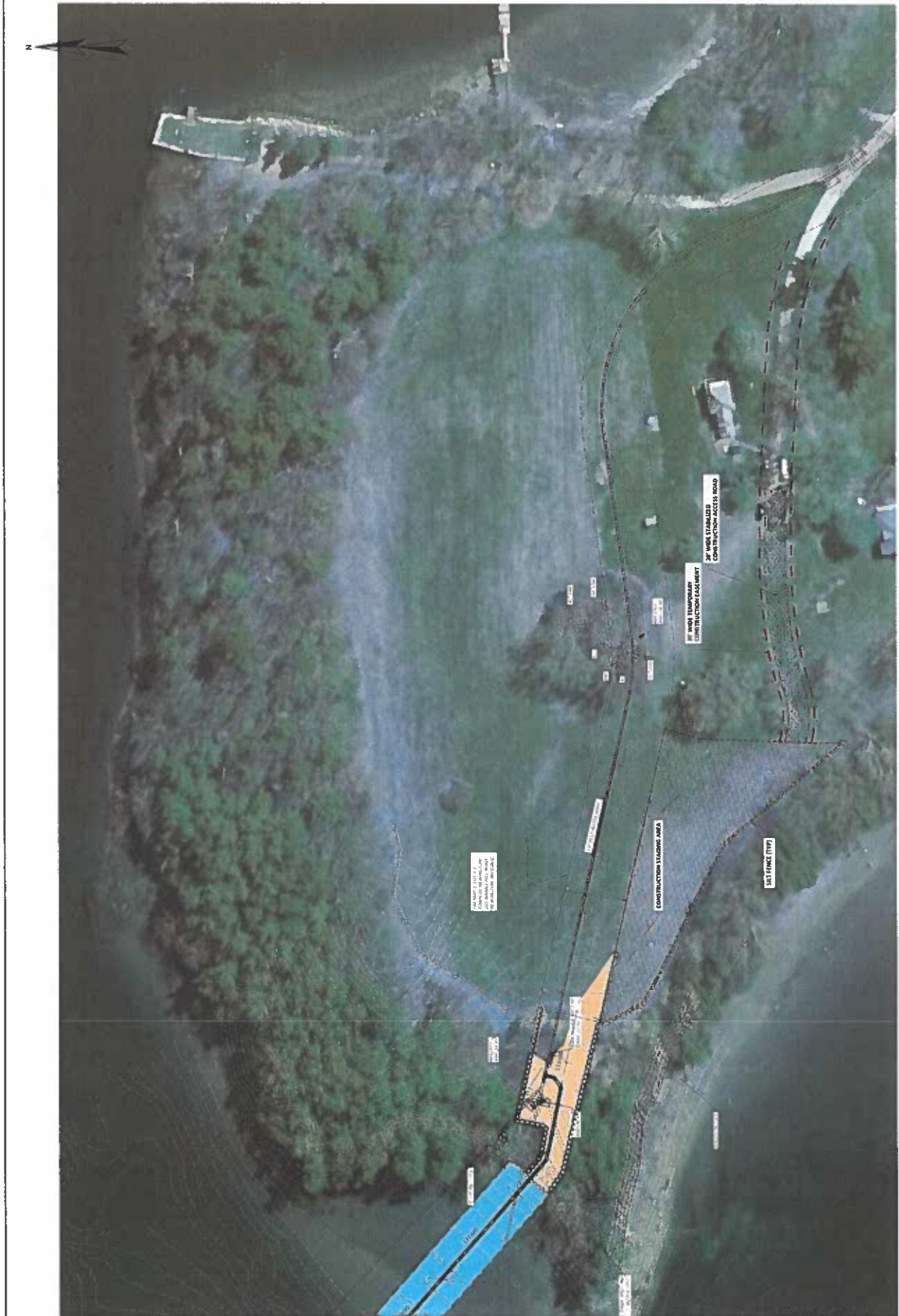
DATE	11/11/2022	BY	W.P.
REVISION			
NO.			
DESCRIPTION			
DATE	11/11/2022	BY	W.P.
REVISION			
NO.			
DESCRIPTION			

PROJECT NO. 142924
 SHEET 1 OF 1
 DATE 11/11/2022
 DRAWN BY W.P.
 CHECKED BY W.P.
 APPROVED BY W.P.
 PROJECT NAME: PISCATAQUA RIVER TRANSMISSION MAIN CONSTRUCTION

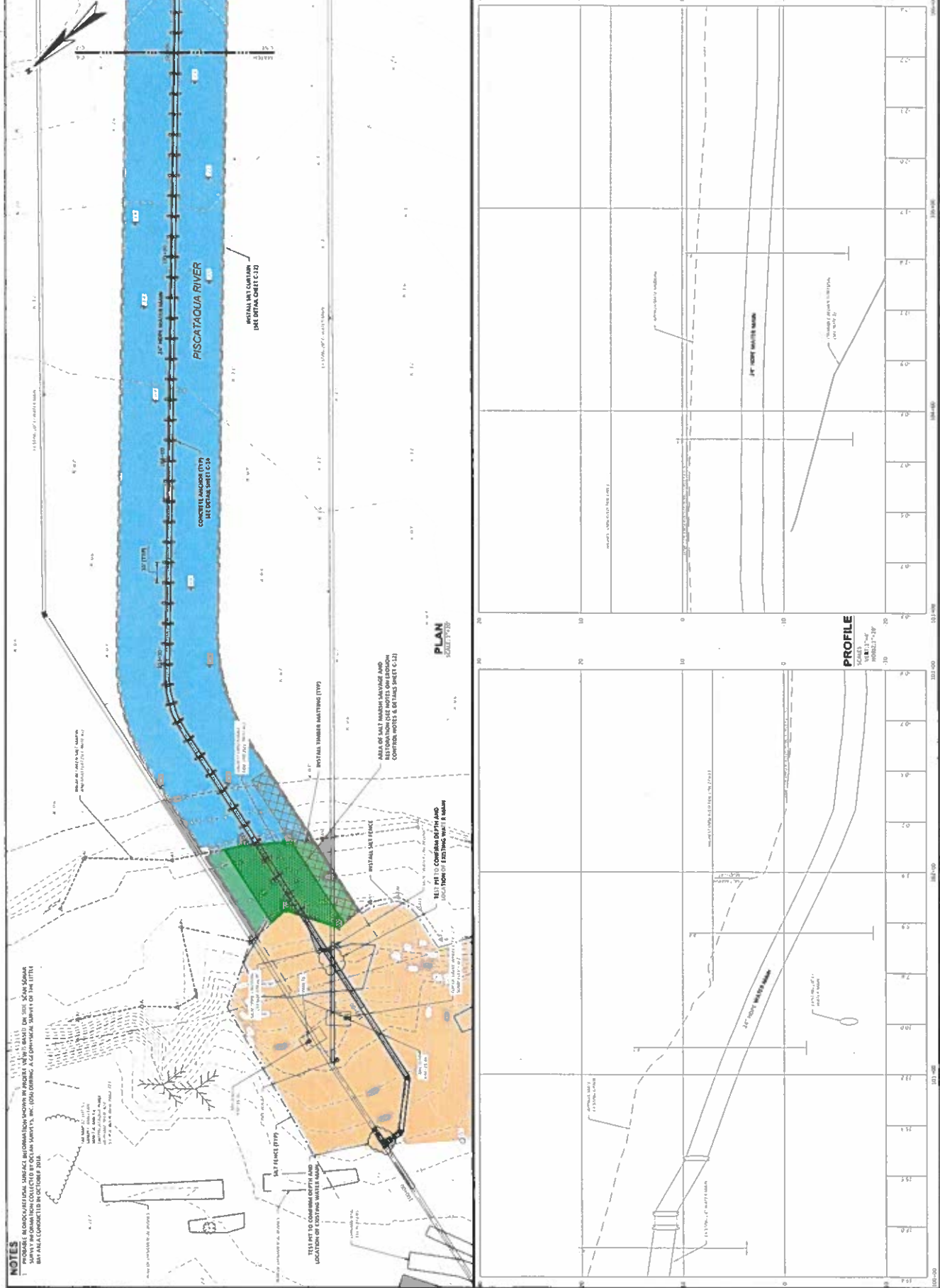
888.621.8136 | www.wright-pierce.com
 Wright-Pierce
 Engineering & Better Environment

CITY OF PORTSMOUTH
 PISCATAQUA RIVER TRANSMISSION MAIN
 NEW HAMPSHIRE
 CONSTRUCTION STAGING PLAN NEWINGTON

DRAWING
 C-5



CONSTRUCTION STAGING PLAN-NEWINGTON SITE
 SHEET 1 OF 1



NOTES

1. PROVIDE ALL DIMENSIONAL SURFACE INFORMATION SHOWN IN PROFILE VIEW TO BEASIS ON THE 54M MGNAR
 2. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
 3. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 4. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 5. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 6. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 7. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 8. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 9. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 10. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 11. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 12. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 13. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 14. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 15. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 16. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 17. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 18. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 19. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED
 20. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED

PLAN
 SHEET 1 OF 1

PROFILE
 SHEET 1 OF 1
 PROFILE 1 OF 1

CITY OF PORTSMOUTH
 SUBAQUEOUS WATER TRANSMISSION MAIN
 PISCATAQUA RIVER, DURHAM-NEWINGTON
 NEW HAMPSHIRE

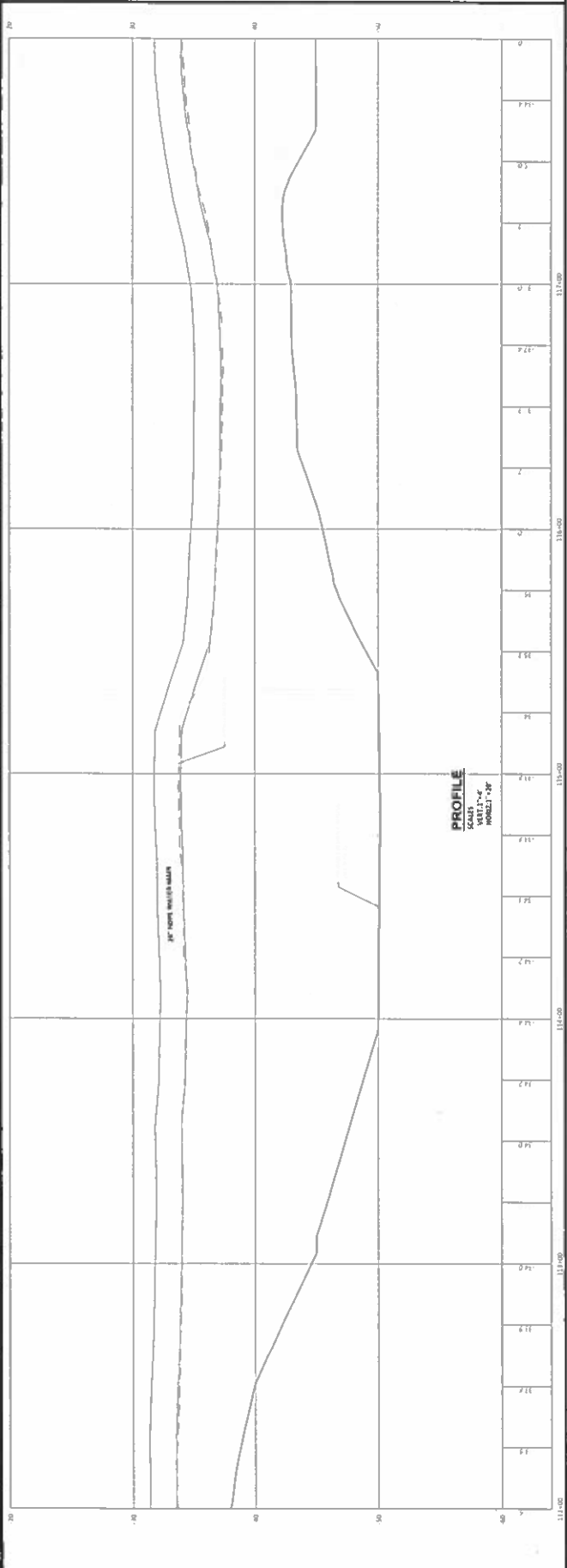
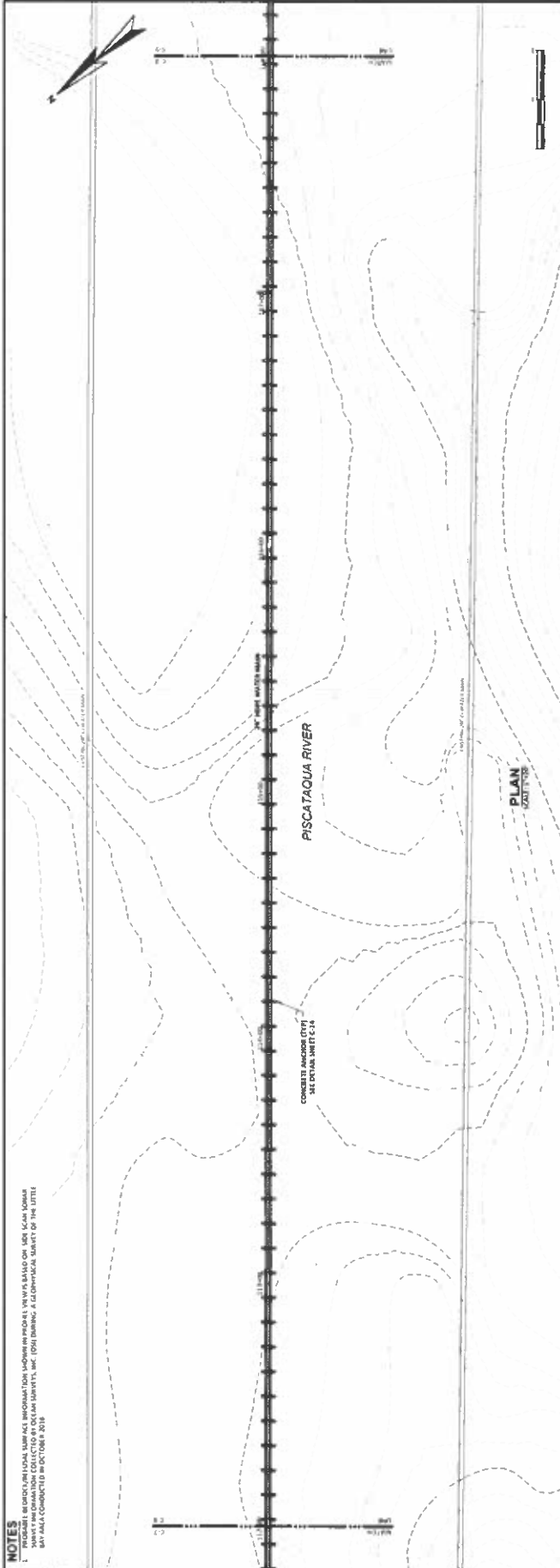
WRIGHT-PIERCE
 Engineering a Better Environment
 888.821.8156 | www.wright-pierce.com

PROJECT NO. 14287A
 SHEET NO. C-7
 DATE: 11/20/2018
 DRAWN BY: JAC
 CHECKED BY: WJG
 IN CHARGE: WJG
 PROJECT MANAGER: JAC

WATER MAIN REPLACEMENT PLAN & PROFILE
 5/16/2018 BY JAC

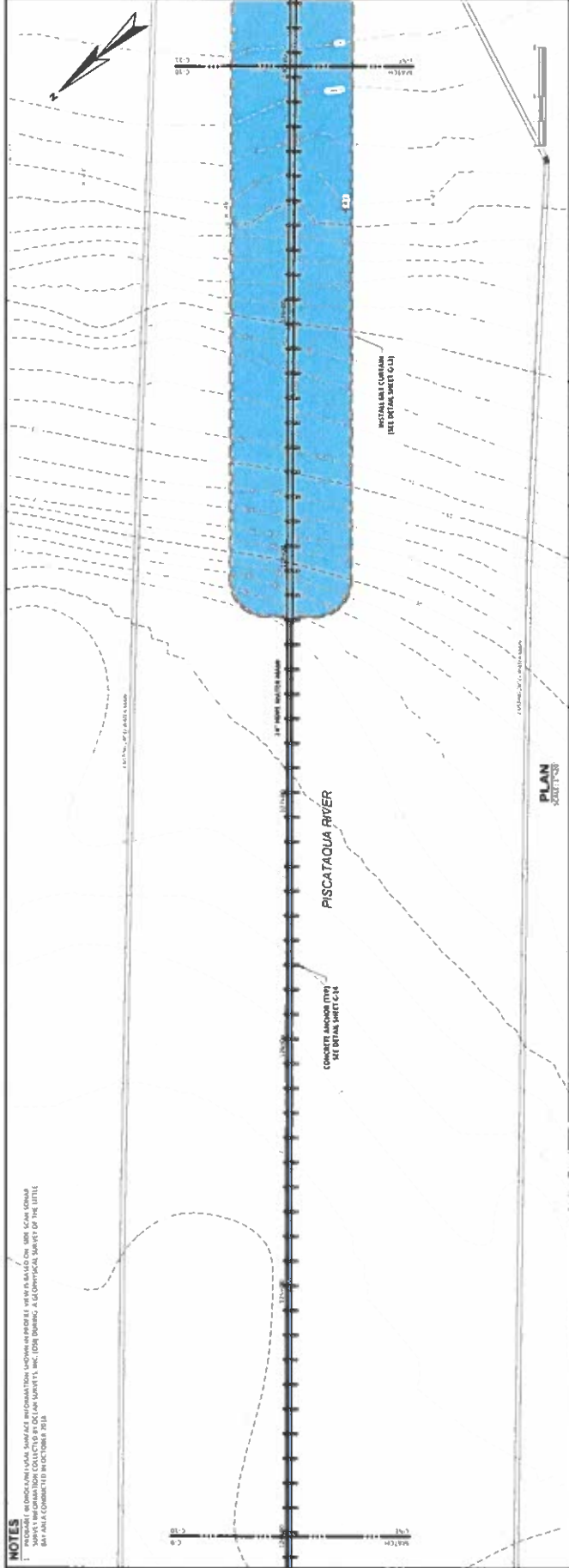
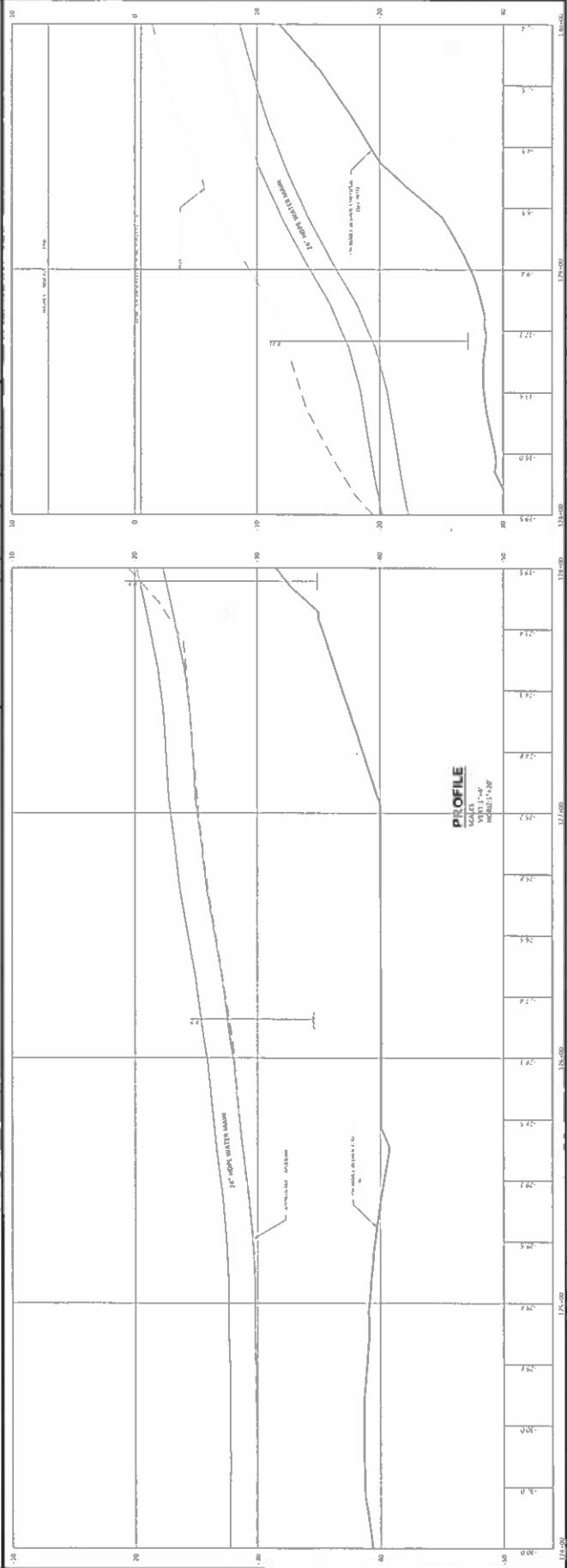
DRAWING

C-7



NOTES
 1. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OF THE MAIN AND ADJACENT AREAS.
 2. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OF THE MAIN AND ADJACENT AREAS.
 3. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OF THE MAIN AND ADJACENT AREAS.
 4. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OF THE MAIN AND ADJACENT AREAS.

DATE	11/11/2014
PROJECT NO.	14027A
APPROVED BY	
DRAWN BY	
CHECKED BY	
SCALE	AS SHOWN
CAD FILE	W14027A.dwg
DATE PLOTTED	11/11/2014 10:28:28 AM
PLANNER	WRIGHT-PIERCE
PROJECT	WRIGHT-PIERCE



NOTES
 1. PROFILE ELEVATIONS AND INFORMATION UNLESS OTHERWISE SPECIFIED ARE BASED ON THE SCAM CONDA
 2. THE PROFILE IS A REPRESENTATION OF THE PROPOSED WATER MAIN AND DOES NOT REPRESENT THE
 3. ANY DATA OBTAINED FROM THE SCAM CONDA

EROSION AND SEDIMENTATION CONTROL NOTES

THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE SUBAQUEOUS WATER TRANSMISSION MAIN. THE CONTRACTOR SHALL FOLLOW THE PLAN AND ALL APPLICABLE REGULATIONS, ORDINANCES, AND STANDARDS. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE RESPONSIBLE FOR THE REMOVAL AND RESTORATION OF ALL EROSION CONTROL MEASURES AT THE END OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE RESPONSIBLE FOR THE REMOVAL AND RESTORATION OF ALL EROSION CONTROL MEASURES AT THE END OF CONSTRUCTION.

EROSION CONTROL - WETLAND NOTES

1. WETLANDS AND SURFACE WATERS EXISTING FROM WHICH ARE TO BE FILLED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS SHALL BE IDENTIFIED AND PROTECTED. THE CONTRACTOR SHALL MAINTAIN THE WETLANDS AND SURFACE WATERS THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL WETLANDS AND SURFACE WATERS AT THE END OF CONSTRUCTION.

SILT FENCE INSTALLATION DETAIL



JOINING SILT FENCE SECTIONS



EROSION CONTROL MATTING - SLOPES



SILT FENCE INSTALLATION DETAIL

1. SILT FENCES SHALL BE INSTALLED AT THE TOE OF ALL EXPOSED EARTHWORK. THE SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL EXPOSED EARTHWORK. THE SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL EXPOSED EARTHWORK. THE SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL EXPOSED EARTHWORK.

JOINING SILT FENCE SECTIONS

1. SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL.

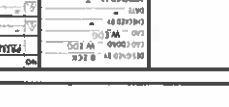
EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

STONE CHECK DAM DETAIL



COMPOST SILT SOCK



EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

JOINING SILT FENCE SECTIONS

1. SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL.

EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

STONE CHECK DAM DETAIL



COMPOST SILT SOCK



EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

JOINING SILT FENCE SECTIONS

1. SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL.

EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

STONE CHECK DAM DETAIL



COMPOST SILT SOCK



EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

JOINING SILT FENCE SECTIONS

1. SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL.

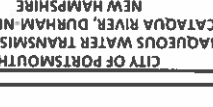
EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

STONE CHECK DAM DETAIL



COMPOST SILT SOCK



EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

JOINING SILT FENCE SECTIONS

1. SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL. THE SILT FENCE SECTIONS SHALL BE JOINED TOGETHER USING THE METHOD SHOWN IN THE DETAIL.

EROSION CONTROL MATTING - SLOPES

1. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES. THE EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES.

STONE CHECK DAM DETAIL

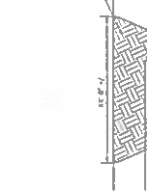
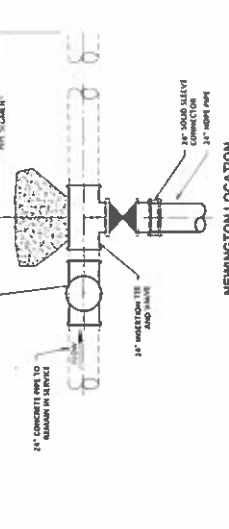
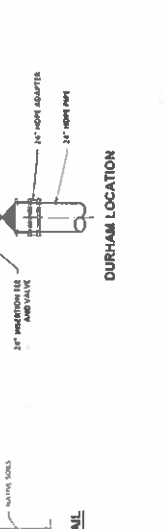
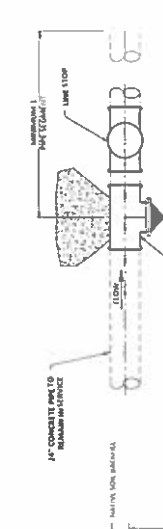


COMPOST SILT SOCK



DATE	DESCRIPTION	BY
10/17/2017	REVISED	W.P.
10/17/2017	ISSUED FOR PERMIT	W.P.
10/17/2017	ISSUED FOR CONSTRUCTION	W.P.
10/17/2017	ISSUED FOR CONSTRUCTION	W.P.
10/17/2017	ISSUED FOR CONSTRUCTION	W.P.
10/17/2017	ISSUED FOR CONSTRUCTION	W.P.
10/17/2017	ISSUED FOR CONSTRUCTION	W.P.

Project No. 14257A
 DATE: 10/17/17
 DRAWN BY: W.P.
 CHECKED BY: W.P.
 CIP NO. 100
 CAD FILE NO. 100
 CAD ROOM: W.DG
 JOB NO.: 14257A
 SUBMITTER'S NAME: W.DG
 DATE: 10/17/17



1. ALL TRENCH WALLS SHALL BE REINFORCED WITH 1/2\"/>

2. ALL EXCAVATION MUST MEET OTHER STANDARDS.
3. ALL TRENCH WALLS SHALL BE REINFORCED WITH 1/2\"/>

4. ALL TRENCH WALLS SHALL BE REINFORCED WITH 1/2\"/>

5. ALL TRENCH WALLS SHALL BE REINFORCED WITH 1/2\"/>

6. ALL TRENCH WALLS SHALL BE REINFORCED WITH 1/2\"/>

7. ALL TRENCH WALLS SHALL BE REINFORCED WITH 1/2\"/>